

FIG. 1

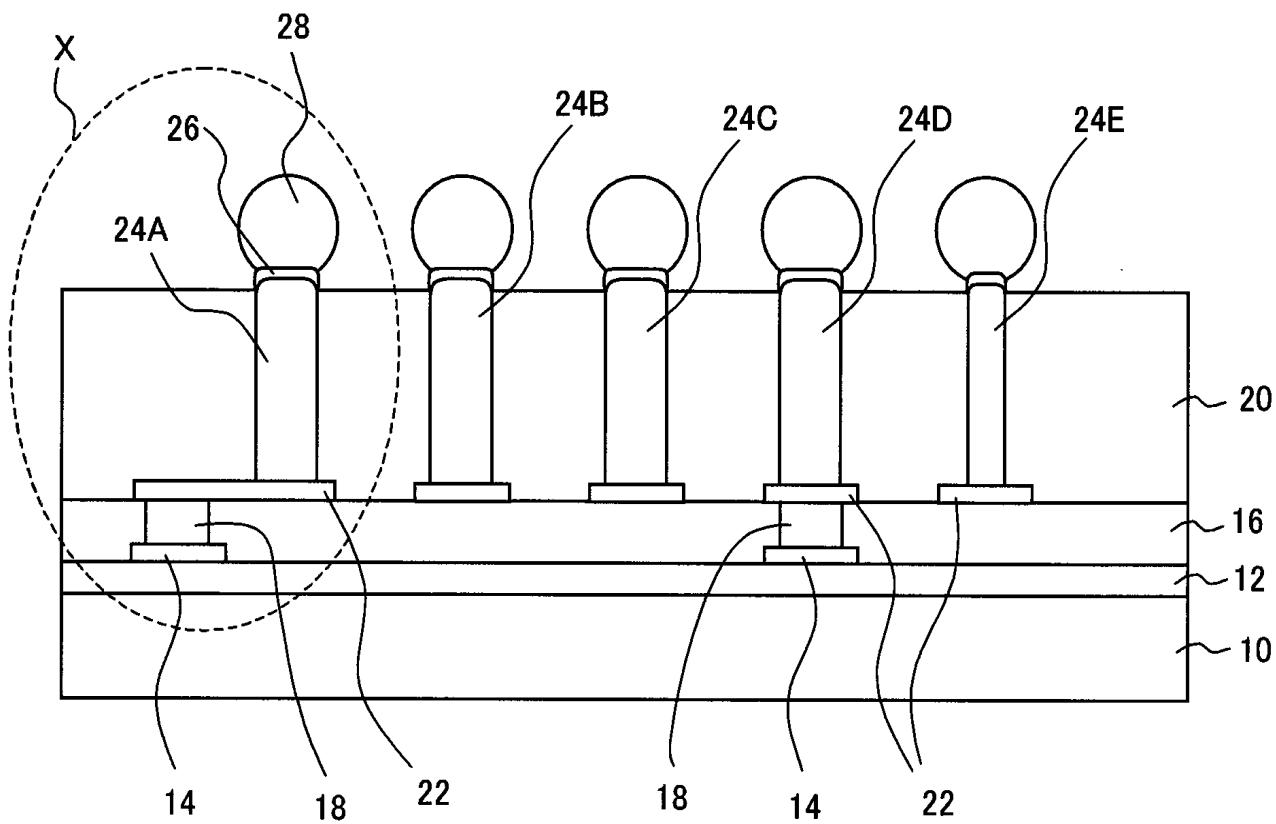


FIG. 2

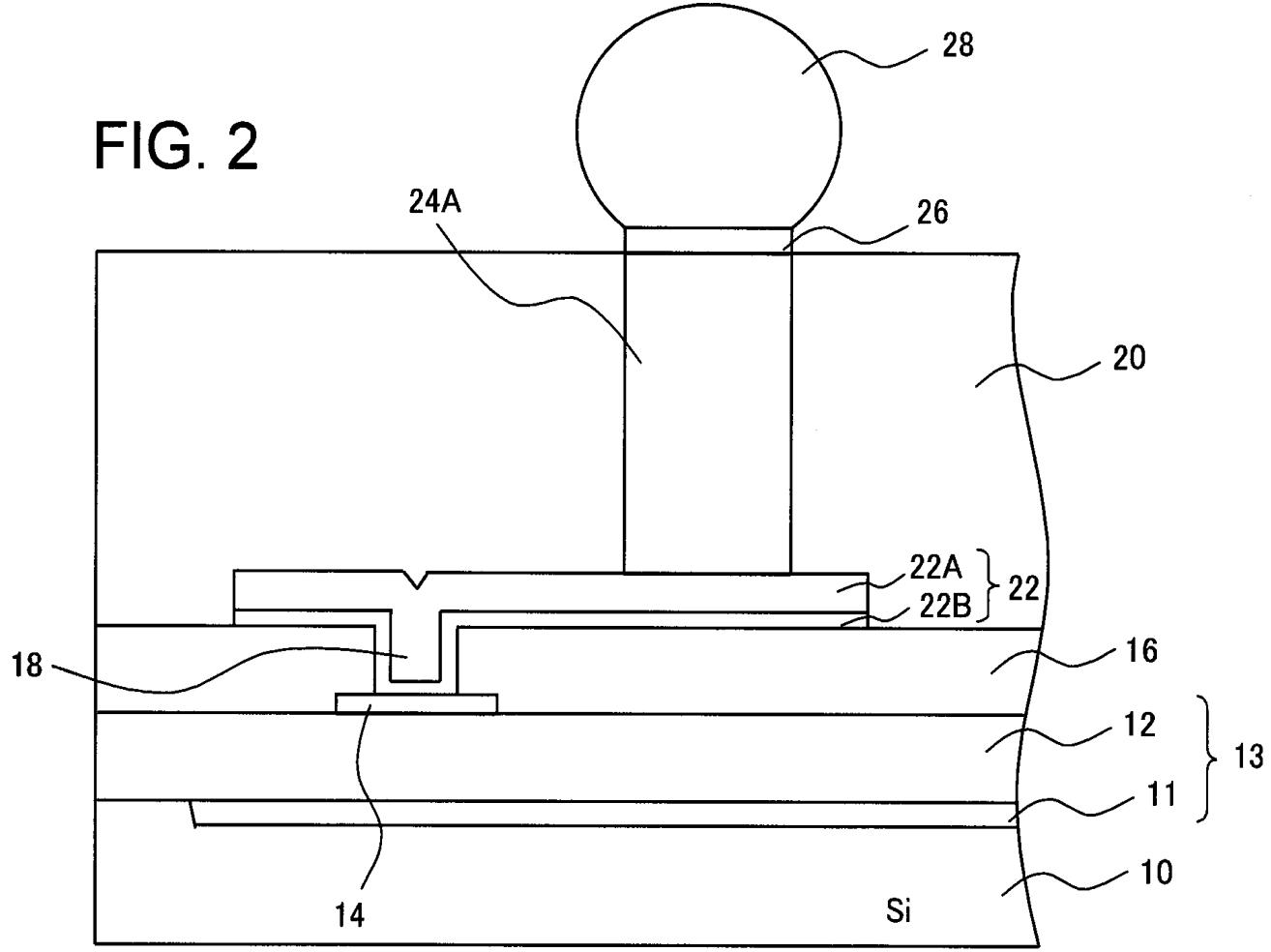


FIG. 3

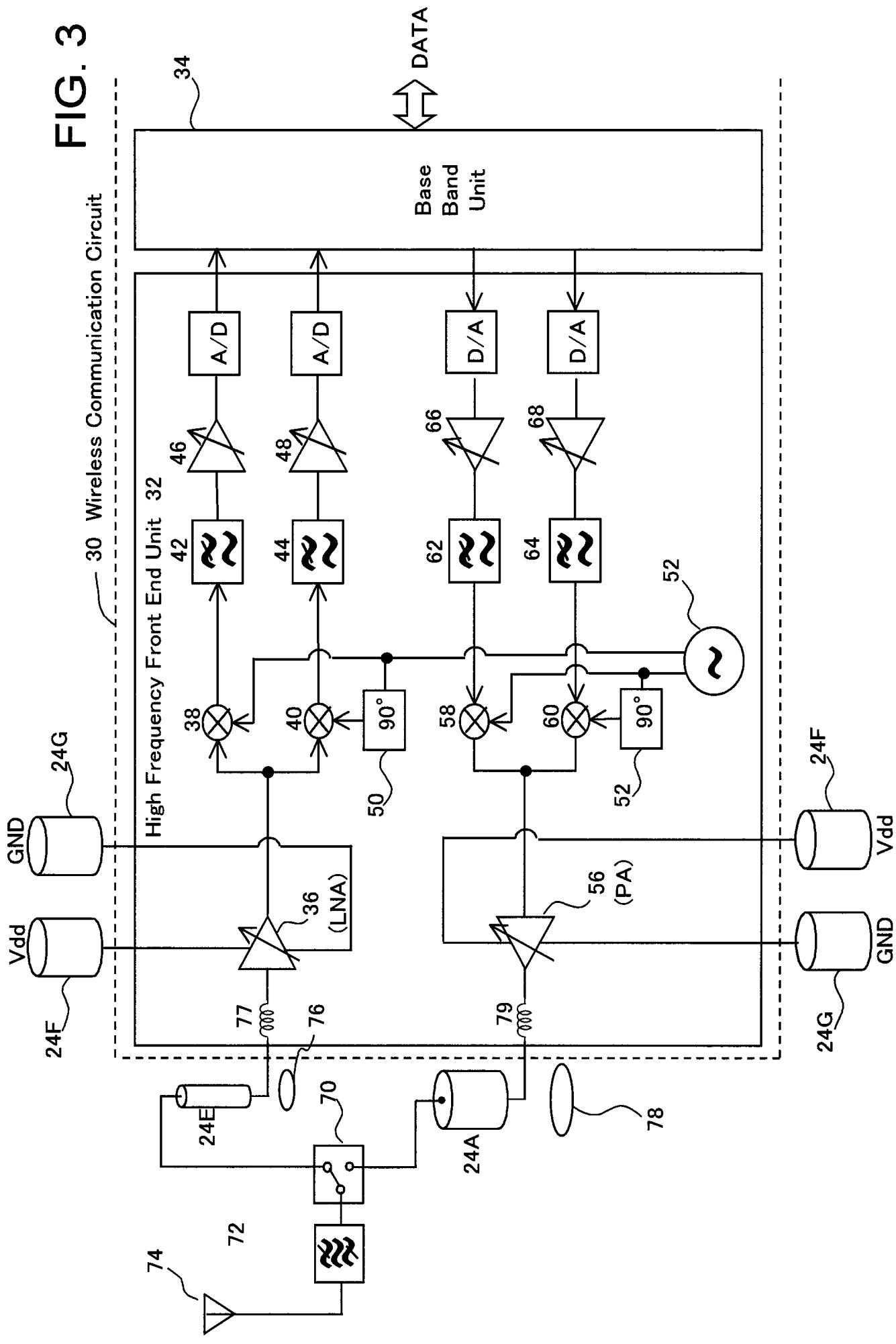


FIG. 4

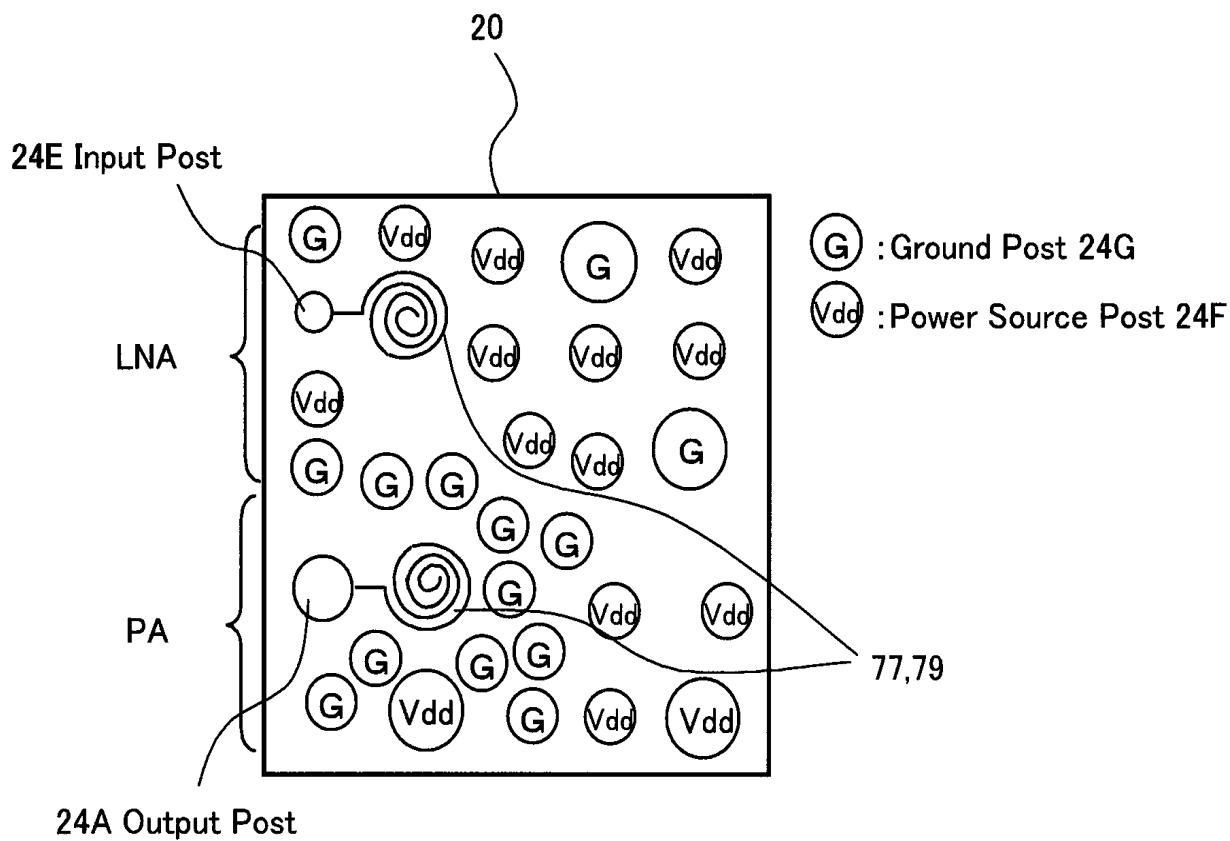


FIG. 5

Receiving Side Post & Transmitting Side Post

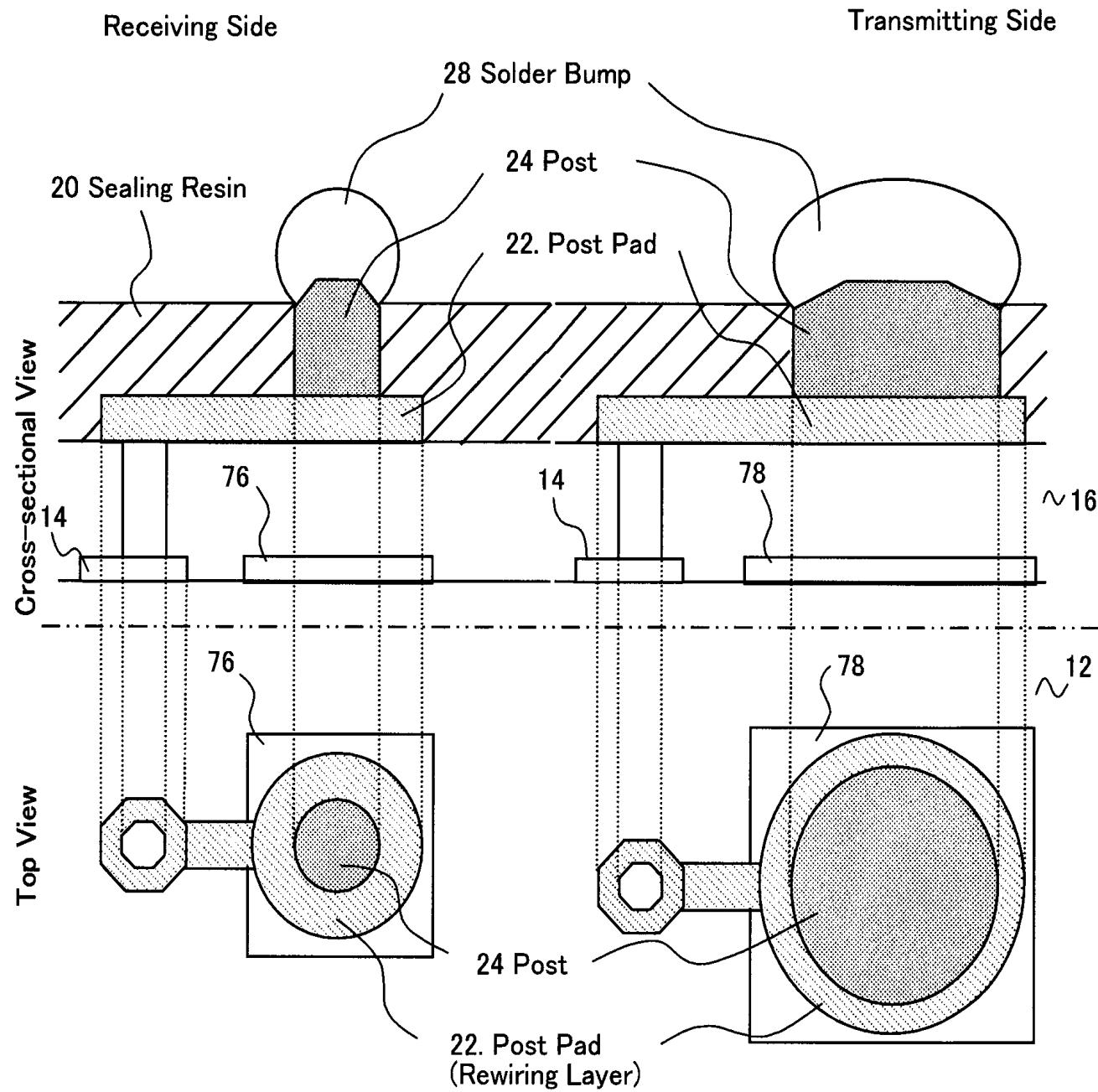
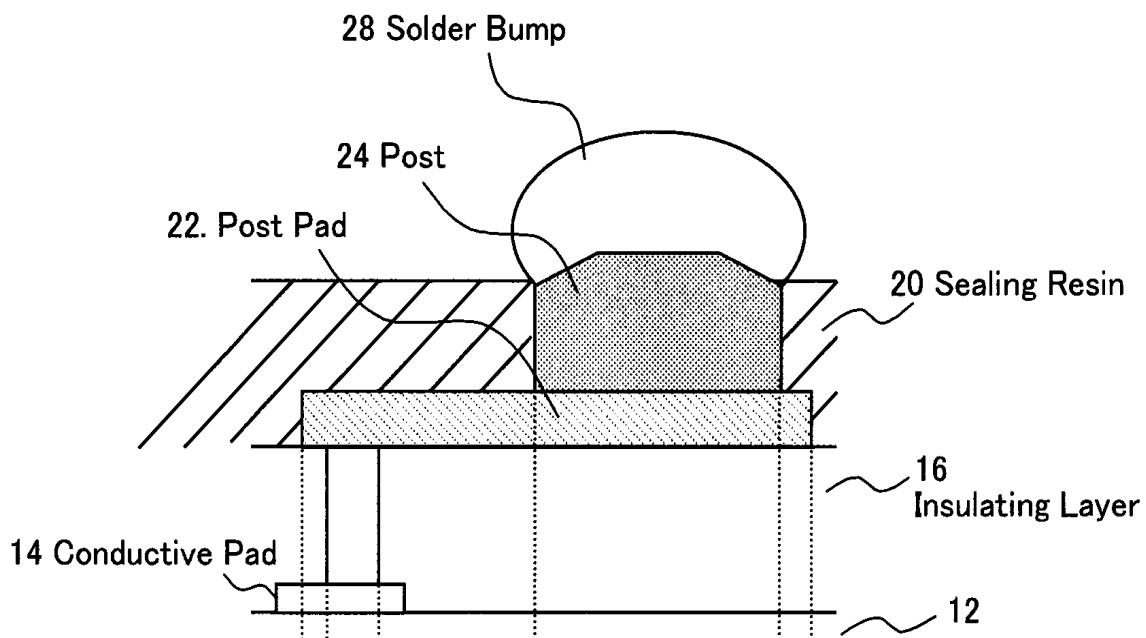


FIG. 6

Power Source & Ground Posts

Cross-sectional View



Top View

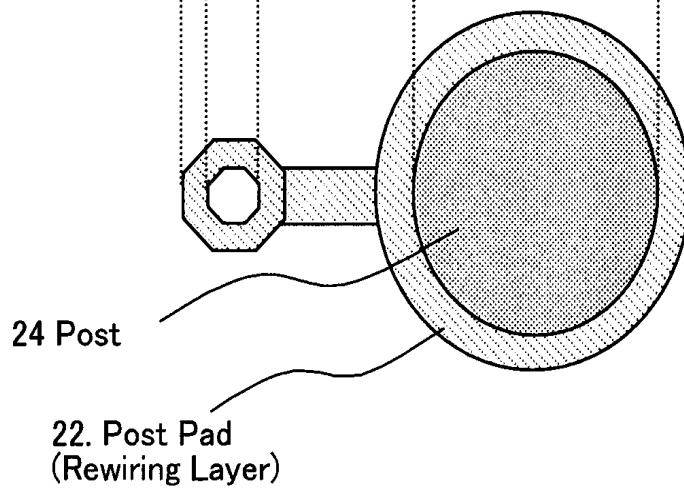


FIG. 7A

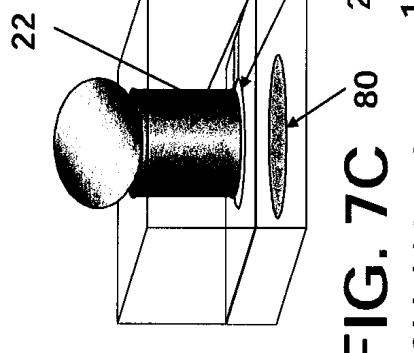
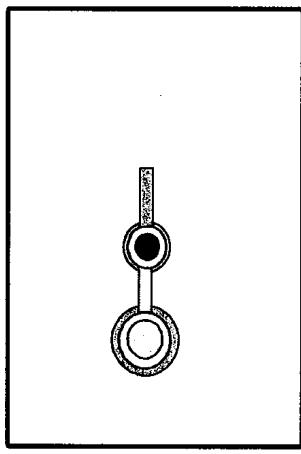


FIG. 7C
Shield Portion

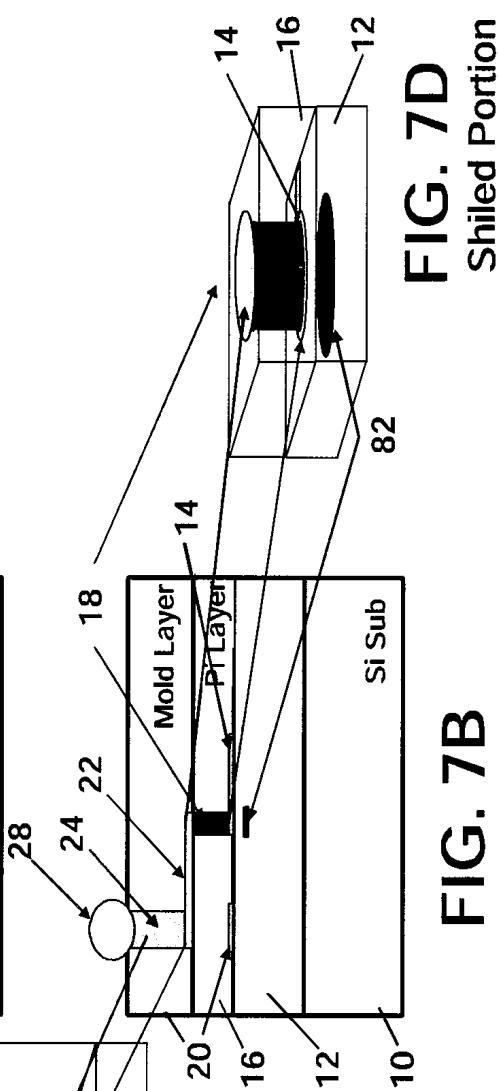


FIG. 7B



FIG. 7D
Shielded Portion

FIG. 8A

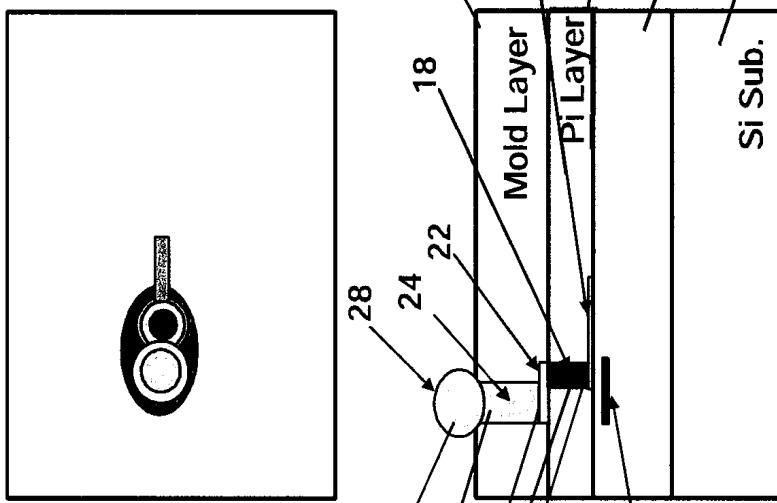


FIG. 8B

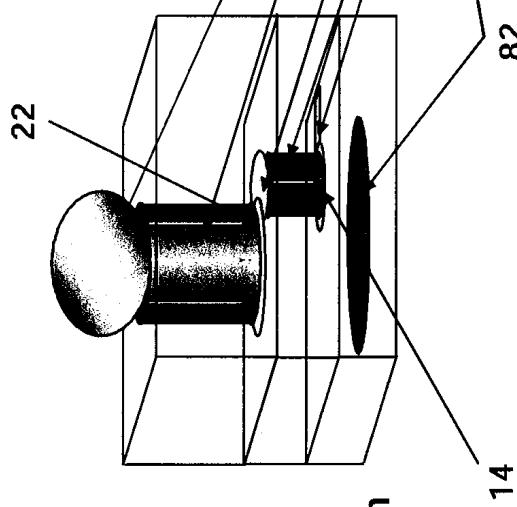
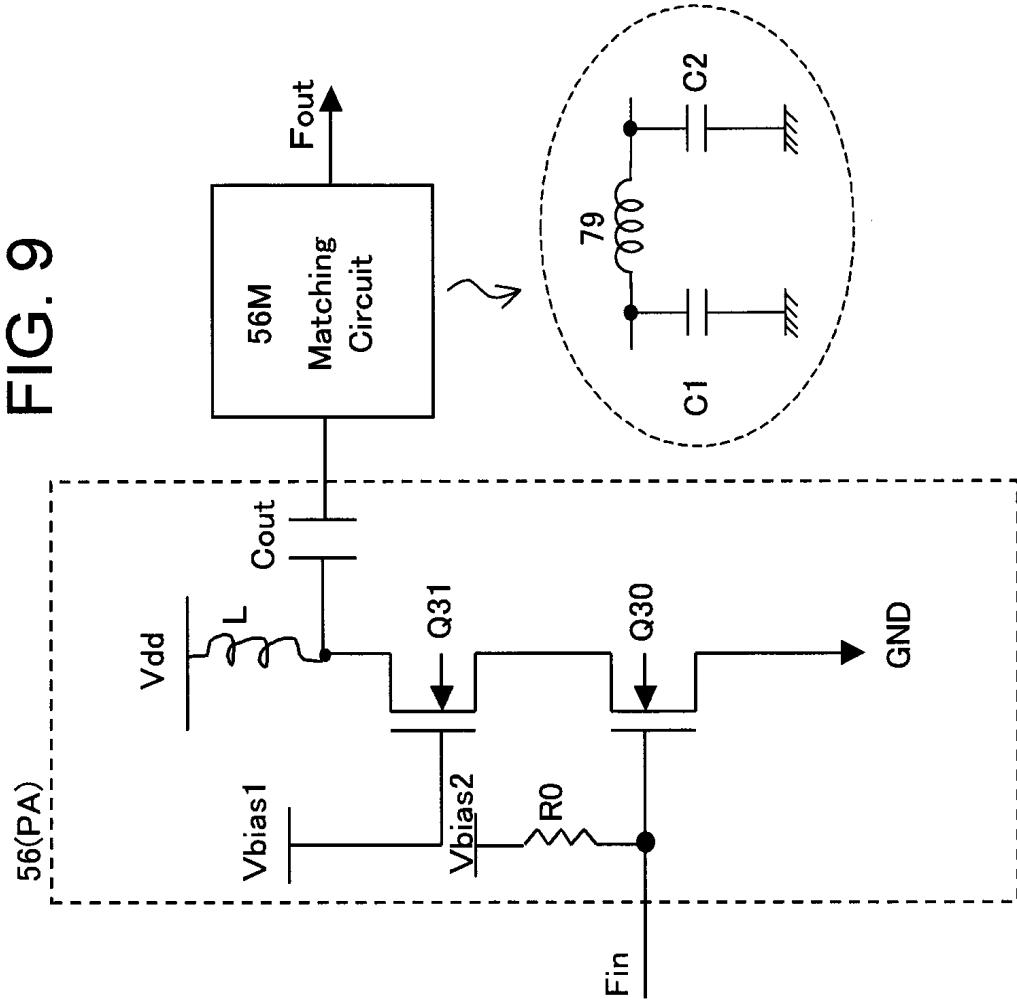


FIG. 8C
Shield Portion

FIG. 9



38(LNA)

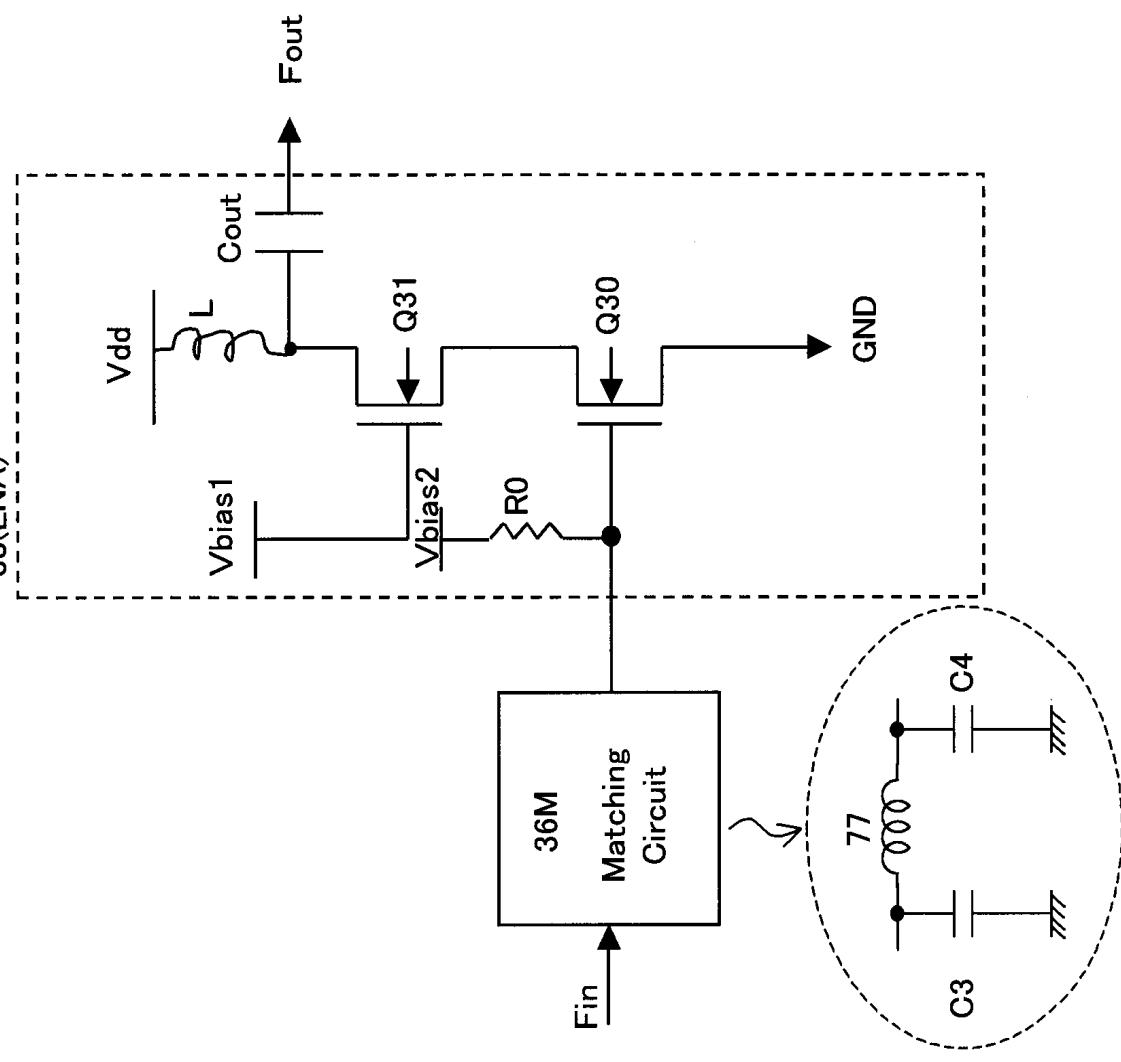
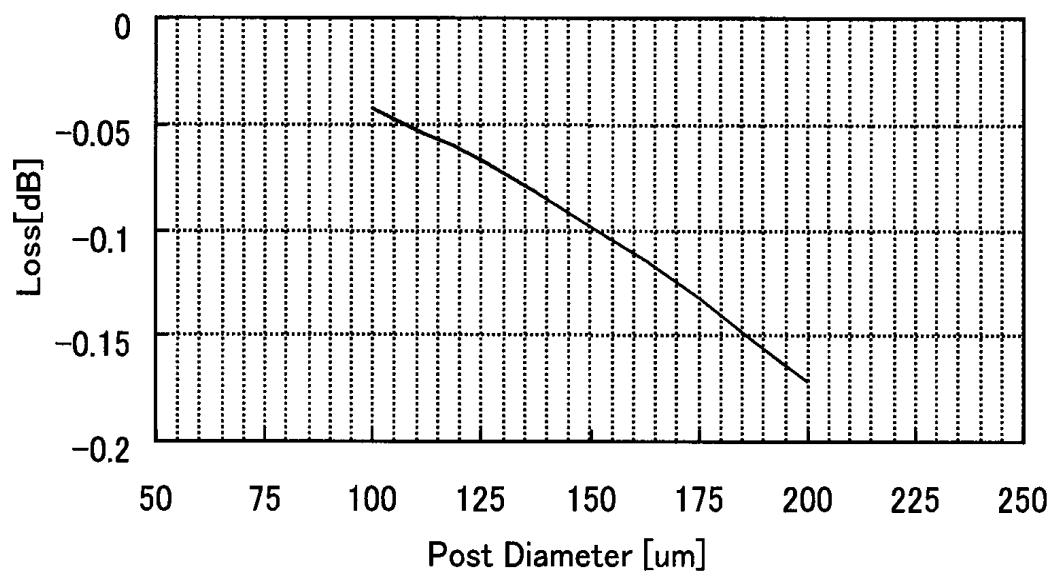


FIG. 10



Relation Between Post Diameter and Loss for 5GHz

FIG. 11

Circle : Diameter of post = 200 μ m
Square : Diameter of post = 175 μ m
Triangle : Diameter of post = 150 μ m
X : Diameter of post = 125 μ m
Diamond : Diameter of post = 100 μ m

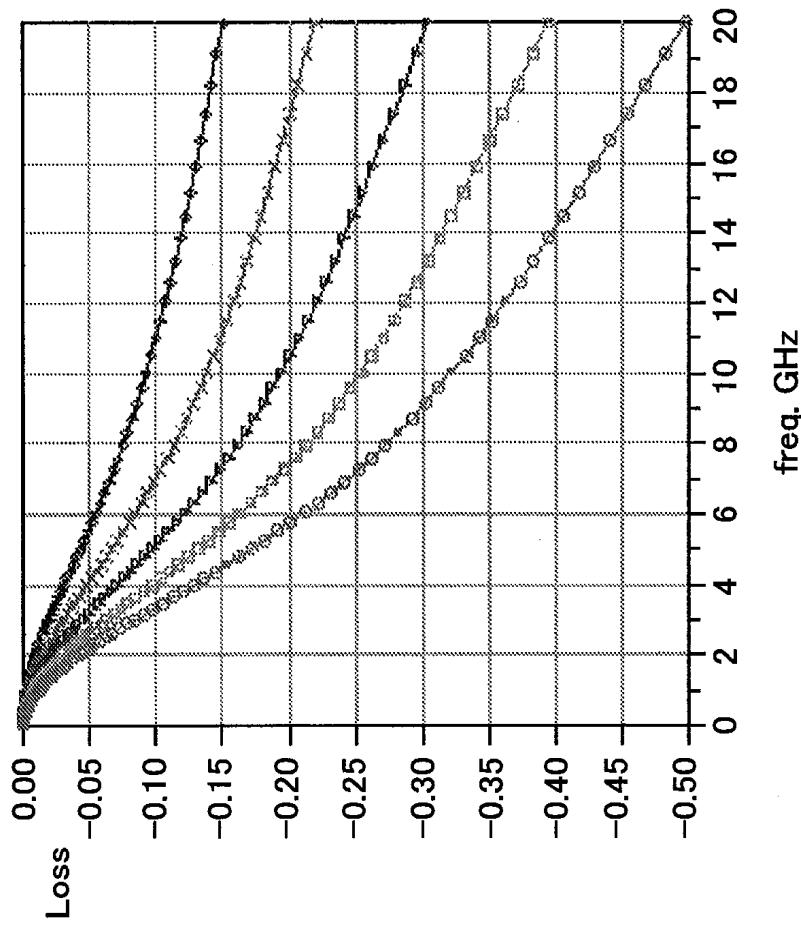


FIG. 12

Circle : Diameter of post = 200 μ m
Diamond : Diameter of post = 100 μ m
Triangle : Diameter of post = 200 μ m with GND-Shield
X : Diameter of post = 100 μ m with GND-Shield

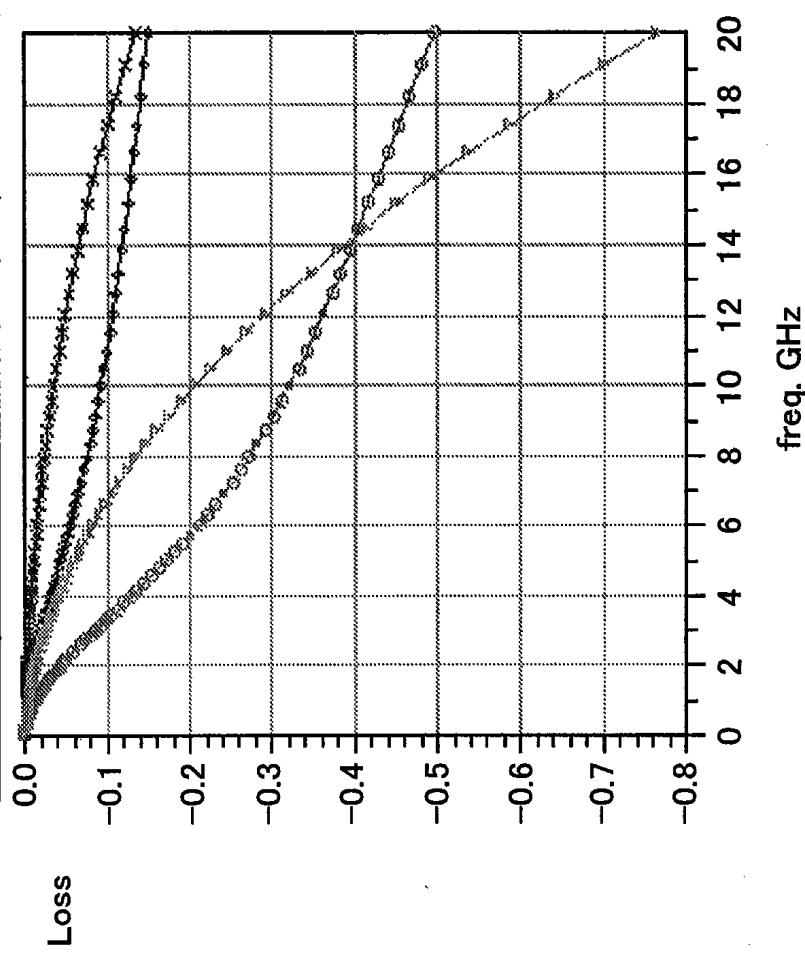


FIG. 13

No	Symbol	: Inductor only
Circle	:	Inductor + PAD for post (Diameter of post=200um)
Diamond	:	Inductor + PAD for post (Diameter of post=100um)
Triangle	:	Inductor + PAD for post (Diameter of post=200um with GND-Shield)
X	:	Inductor + PAD for post (Diameter of post=100um with GND-Shield)

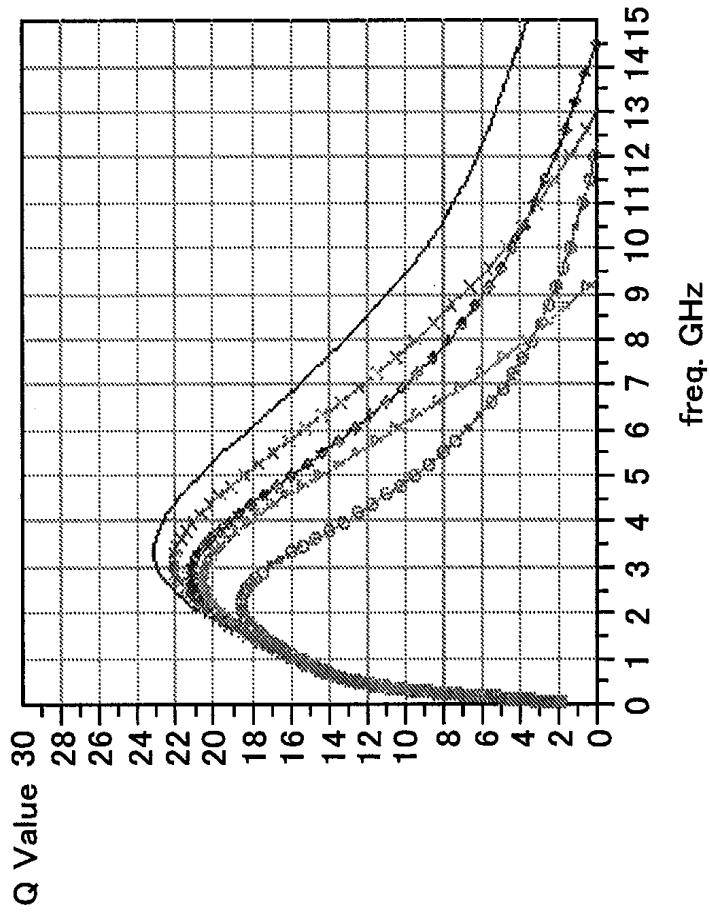


FIG. 14

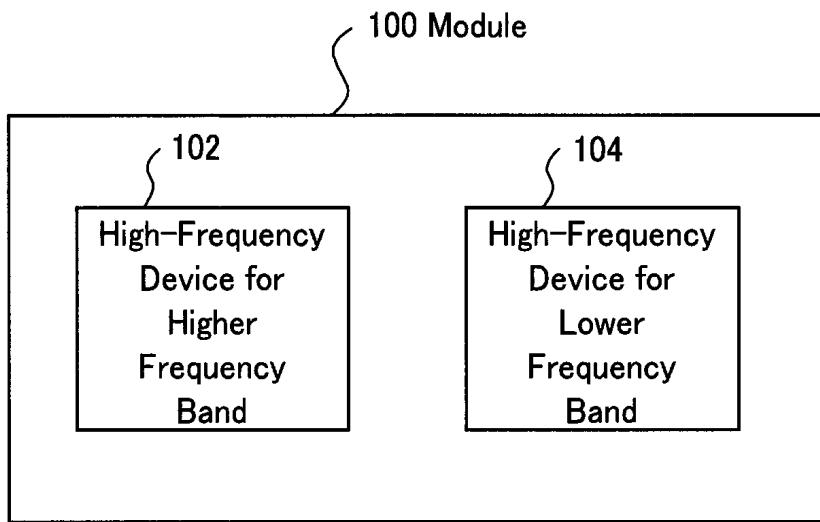


FIG. 15A

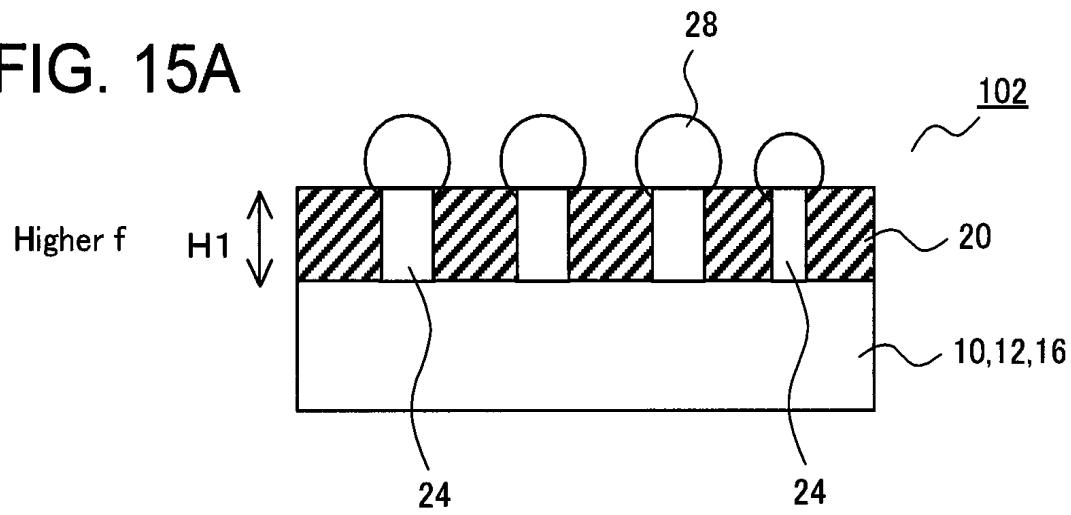


FIG. 15B

